



2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213

10/586849
T 202.293.7060
F 202.293.7860

AP20 Rec'd PCT/PFO 20 JUL 2005 Sughrue.com

July 20, 2006

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP2005/001642
-filed January 28, 2005

Re: Application of Hisayuki MIKI, Tetsuo SAKURAI, and Hitoshi TAKEDA
GALLIUM NITRIDE-BASED COMPOUND SEMICONDUCTOR
MULTILAYER STRUCTURE AND PRODUCTION METHOD THEREOF
Assignee: SHOWA DENKO K.K.
Our Ref: Q79703

Dear Sir:

The following documents are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- a copy of the executed Declaration and Power of Attorney.
- a copy of the International Application.
- six (6) sheets of drawings (Figs. 1-6).
- a copy of the executed Assignment and PTO 1595 form.
- an Information Disclosure Statement and a copy of the ISR.
- Written Opinion of the International Searching Authority.
- a PTO/SB/08 A & B (modified) listing the ISR references and copy of each reference cited in the ISR.
- a Preliminary Amendment.

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

It is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).



Sughrue

SUGHRUE MION, PLLC

Commissioner for Patents

Appln. No.: National Stage of PCT/JP2005/001642

Attorney Docket No. Q79703

Page 2

7/22/06
10:33 AM

7/22/06
10:33 AM

The Government filing fee, after entry of the Preliminary Amendment, is calculated as follows:

Total claims	<u>37</u>	-	<u>20</u>	=	<u>17</u>	x	\$50.00	=	<u>\$850.00</u>
Independent claims	<u>2</u>	-	<u>3</u>	=		x	\$200.00	=	<u>\$0.00</u>
Base Fee									<u>\$300.00</u>
Search Fee*									<u>\$400.00</u>
Examination Fee*									<u>\$200.00</u>
TOTAL FILING FEE									<u>\$1750.00</u>
Recordation of Assignment									<u>\$ 40.00</u>
<u>TOTAL FEE</u>									<u>\$1790.00</u>

* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$1750.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority/Benefit is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2004-021479	January 29, 2004
U.S. Provisional	60/541,069	February 3, 2004

Respectfully submitted,

Abraham J. Rosner
Registration No. 33,276

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: July 20, 2006